

September 2, 1971

MEMORANDUM

TO: Stephen G. Provant, Physical Scientist

FROM: Jack E. Sceva, Geologist

SUBJECT: Red Devil Mine

I called Lowell Vanderberg at the Taft Center to obtain the results of their lab tests on the samples we collected. He reported that the results had been sent to the Fairbanks Laboratory, but he gave them to me over the phone. They only tested for mercury and arsenic.

	<u>Hg (ug/l)</u>	<u>As (ug/l)</u>	
1.	0.3	< 6	Red Devil Creek Above mine and mill
2.	12,850	85,000	Mill effluent from tailing pond #1
3.	265	39,000	Red Devil Creek below tailing pond #1
4.	12.3	550	Mine water from shaft of Red Devil Mine
5.	1.7	56	Kuskokwim River above mouth of Red Devil Creek
6.	85.6	720	Stream from Barometer Mine
7.	1.0	32	Kuskokwim River at Red Devil Air Strip.

The arsenic in samples 2, 3, 4 and 6 were checked by both AA and wet chemistry.

Jack E. Sceva

JESceva/dm 9/2/71